

## I CLAIM

1. An adjustable hinge for assembling a non-frame plate glass of a bathroom comprising a clamp base, an elastic press unit and a bottom base:

5        Said clamp base having a main clamp plate and an auxiliary clamp plate combined together correspondingly, said main clamp plate and said auxiliary clamp plate clamping a non-frame plate glass therebetween, said main clamp plate formed with a projecting portion on the  
10 inner lower side, said projecting portion having its lower end bored with an accommodating groove, said accommodating groove receiving said elastic press unit therein:

       Said elastic press unit having an elastic press  
15 wheel pushing against said bottom base pivotally positioned at the lower end of said main clamp plate, said bottom base able to be fixedly assembled on a doorjamb or a wall surface, said non-frame plate glass able to swing together with said clamp base and said  
20 bottom base, said non-frame plate glass able to be fully closed with said doorjamb:

       Said bottom base formed with a base body having two symmetrical ears extending upward on the upper side, a position-recovering rotary button received between  
25 said two ears, said position-recovering rotary button having an engage groove bored in the outer edge and at least one tightening bolt screwed in one of the opposite

sides, a fixing rod fixed with said two ears and inserted through and positioning said position-recovering rotary button, said fixing rod having its opposite ends respectively inserted and sealed by a stuffing member,  
5 an elongate pin inserted through said two stuffing members to pivotally position said base body in said accommodating groove of said main clamp plate, said press wheel of said elastic press unit engaged in said engage groove of said position-recovering rotary button  
10 to keep said clamp base in position, said tightening bolt screwed inward to closely push against said fixing rod inside said position-recovering rotary button to control the position of said engage groove of said position-recovering rotary button: and

15 Said tightening bolt of said position-recovering rotary button on said bottom base unscrewed to let said press wheel of said elastic press unit engaging in said engage groove of said position-recovering rotary button, said position-recovering rotary button actuated to rotate  
20 to a preset position by said elastic press unit on said clamp base, then said tightening bolt screwed in said position-recovering rotary button again, said non-frame plate glass able to be freely and accurately adjusted to swing to any closed position so long as said press wheel  
25 on said clamp base is rotated together with said non-frame plate glass and elastically engaged in said engage groove of said position-recovering rotary button,

which is orientated in advance.

2. The adjustable hinge for assembling a non-frame plate glass of a bathroom as claimed in Claim 1, wherein said projecting portion of said main clamp plate has its central lower end bored with a press wheel receiving groove communicating with said accommodating groove, having its lower opposite inner sides respectively bored with a lengthwise spring receiving groove communicating with said press wheel receiving groove, said elastic press unit having two springs respectively received in said spring receiving groove and an interacting shaft having its central section fitted with said press wheel, said interacting shaft transversely received in said two spring receiving grooves and said press wheel receiving groove, said press wheel pushed downward together with said interacting shaft which has its opposite ends respectively compressed by said two springs.

3. The adjustable hinge for assembling a non-frame plate glass of a bathroom as claimed in Claim 1, wherein said two ears of said base body are respectively bored with a shaft hole, and one said ear has the outer side edge of said shaft hole formed with a stepped positioning groove for fitting the head of said fixing rod therein after said fixing rod is inserted through said shaft holes of said ears, said positioning groove having an engage block protruding inward at a preset location of its outer

side edge, said fixing rod bored with an engage notch in the outer surface of its head, said engage block of said positioning groove engaged in said engage groove of said fixing rod to retain said fixing rod immovable.

5           4. The adjustable hinge for assembling a non-frame plate glass of a bathroom as claimed in Claim 1, wherein said fixing rod is made of copper.

          5. The adjustable hinge for assembling a non-frame plate glass of a bathroom as claimed in Claim 1, wherein  
10 said position-recovering rotary button has its outer opposite edges respectively screwed with a tightening bolt.

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